

Application of: Reed et al.
Serial No.: 10/632,097
Filed: 08/01/2003
Reply to Office Action of 06/04/2009

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) A system comprising:
a workstation communicatively coupled to a network; and
a managed appliance, different from the workstation, communicatively coupled to the network at a different location than the workstation;

wherein the workstation operatively locates the managed appliance across the network and, responsive to a then-current IP configuration received from the managed appliance, operatively sets the IP configuration of the managed appliance across the network by pushing the a modified IP configuration to the managed appliance, wherein the then-current IP configuration includes an indication that the managed appliance already has an IP address.

2. (Original) The system of claim 1, wherein the workstation causes the managed appliance to store an IP address as the IP address of the managed appliance.

3. (Original) The system of claim 2, wherein the managed appliance stores the IP address and uses the IP address for communication across the network.

4. (Original) The system of claim 1, wherein the managed appliance operatively communicates keyboard data, cursor control data, and video data between a plurality of computers and the network.

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5. (Previously Presented) The system of claim 2, wherein the workstation causes the managed appliance to store a subnet mask as the subnet mask of the managed appliance by pushing the subnet mask to the managed appliance.

6. (Original) The system of claim 2, wherein the IP address stored by the managed appliance is transmitted from the workstation to the managed appliance across the network using a communication protocol.

7. (Original) The system of claim 6, wherein the communication protocol exchanges messages via User Datagram Protocol.

8. (Original) The system of claim 4, wherein the managed appliance operatively communicates keyboard data, cursor control data, and video data between a plurality of computers and the workstation.

9. (Previously Presented) The system of claim 1, further comprising:
a second workstation, different from the managed appliance, communicatively coupled to the network;
wherein the managed appliance operatively communicates keyboard data, cursor control data, and video data between a plurality of computers and the second workstation.

10. (Previously Presented) The system of claim 1, further comprising:
a second managed appliance, different from the managed appliance, communicatively coupled to the network;

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wherein the workstation operatively locates the second managed appliance across the network and operatively sets the IP configuration of the second managed appliance across the network by pushing the IP configuration of the second managed appliance to the second managed appliance.

11. (Original) The system of claim 1, wherein the network is a wireless communication network.

12. (Currently amended) A managed appliance for communicating keyboard data, cursor control data, and video data between a plurality of computers and a network comprising:

a port for receiving a request message across the network from a workstation different from the managed appliance, and transmitting a reply message to the workstation indicating at least a portion of an IP configuration of the managed appliance, wherein the portion of the IP configuration includes an indication that the managed appliance already has an IP address;

a circuit communicating with the port to modify the IP configuration of the managed appliance into a modified IP configuration in response to a second request message pushed to the managed appliance across the network by the workstation, the second request message including at least a portion of the modified IP configuration of the managed appliance.

13. (Previously amended) The managed appliance of claim 12, wherein, in response to the second request message, the managed appliance stores an IP address as the IP address of the managed appliance.

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14. (Original) The managed appliance of claim 13, wherein the managed appliance uses the IP address for communication across the network.

15. (Original) The managed appliance of claim 12, wherein the managed appliance is coupled to the plurality of computers and communicates the keyboard data, cursor control data, and video data between the plurality of computers and the workstation.

16. (Previously amended) The managed appliance of claim 12, wherein, in response to the second request message, the managed appliance stores a subnet mask as the subnet mask of the managed appliance.

17. (Original) The managed appliance of claim 13, wherein the IP address stored by the managed appliance is transmitted from the workstation to the managed appliance across the network using a communication protocol.

18. (Original) The managed appliance of claim 17, wherein the communication protocol exchanges messages via User Datagram Protocol.

19. (Original) The managed appliance of claim 12, wherein the managed appliance operatively communicates the keyboard data, cursor control data, and video data between the plurality of computers and a second workstation across the network.

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20. (Previously Presented) The managed appliance of claim 12, wherein the network is a wireless communication network.

21. (Currently amended) A method of configuring a device across a network, comprising:

- (a) transmitting a request message across the network;
- (b) transmitting a reply message in response to the request message, the reply message including at least a portion of an IP configuration of the device, wherein the portion of the IP configuration includes an indication that the device already has an IP address;
- (c) pushing an instruction message to the device instructing the device to set an IP configuration parameter including at least a portion of the instruction message; and
- (d) setting the IP configuration parameter in the device in response to the instruction message.

22. (Original) The method of claim 21, wherein the IP configuration parameter is an IP address.

23. (Original) The method of claim 21, wherein the IP configuration parameter is at least one of the group of an IP address, a subnet mask, and a gateway address.

24. (Original) The method of claim 21, wherein the device is a managed appliance.

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25. (Original) The method of claim 21, wherein the device is a managed appliance for operatively communicating keyboard data, cursor control data, and video data between a plurality of computers and a network.

26. (Original) The method of claim 21, wherein the IP configuration parameter is transmitted from a workstation to the device using a communication protocol.

27. (Original) The method of claim 26, wherein the communication protocol exchanges messages via User Datagram Protocol.

28. (Original) The method of claim 21, wherein the device is a managed appliance for operatively communicating keyboard data, cursor control data, and video data between a plurality of computers and a workstation.

29. (Original) The method of claim 28, wherein the network is a wireless communication network.

30. (Original) The system of claim 1, wherein the workstation transmits a discover request message across the network to the managed appliance, and the managed appliance transmits a discover reply message to the workstation in order to operatively locate the managed appliance.

31. (Previously amended) The system of claim 30, wherein the workstation transmits a set IP configuration request message to the managed appliance, and the

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managed appliance transmits a set IP configuration reply message to the workstation in order to operatively set the IP configuration of the managed appliance.

32. (Original) The managed appliance of claim 12, wherein the managed appliance receives a discover request message from the workstation, and the managed appliance transmits a discover reply message to the workstation in order for the managed appliance to be operatively located by the workstation.

33. (Original) The managed appliance of claim 32, wherein the managed appliance receives a set IP configuration request message from the workstation, and the managed appliance transmits a set IP configuration reply message to the workstation in order to set the IP configuration of the managed appliance.

34. (Previously amended) The method of claim 21, wherein the request message is a discover request message, the reply message is a discover reply message, and the instruction message is a set IP configuration request message;

wherein, after step (c), transmitting a set IP configuration reply message indicating the status of actions taken in response to receiving the set IP configuration request message.

35. (Currently amended) A method of configuring a device across a network, comprising:

transmitting a discover request message from a workstation on the network to a device on the network;

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transmitting a discover reply message from the device, the discover reply message containing at least a portion of the IP configuration of the device, wherein the portion of the IP configuration includes an indication that the device already has an IP address;

transmitting a test IP configuration request message to the device;

transmitting a test IP configuration reply message from the device, the test IP configuration reply message indicating a result of the test IP configuration request message;

transmitting a set IP configuration request message to the device causing the device to set at least one portion of the IP configuration; and

transmitting a set IP configuration reply message from the device, the set IP configuration reply message indicating the status of actions taken in response to receiving the set IP configuration request message.

36. (Original) The system of claim 1, wherein the managed appliance is communicatively coupled to a plurality of computers;

wherein, after the IP configuration of the managed appliance is set, the managed appliance transmits to the workstation information corresponding to at least one of the plurality of computers.

37. (Original) The system of claim 36, wherein the information includes a value of an object identifier associated with the one of the plurality of computers.

38. (Original) The system of claim 36, wherein the information transmitted by the managed appliance includes values of object identifiers associated with the at least one of the plurality of computers.

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39. (Original) The managed appliance of claim 12, wherein, after the IP configuration of the managed appliance is set, the managed appliance transmits to the workstation information corresponding to at least one of the plurality of computers.

40. (Original) The managed appliance of claim 39, wherein the information includes a value of an object identifier associated with the one of the plurality of computers.

41. (Original) The managed appliance of claim 39, wherein the information transmitted by the managed appliance includes values of object identifiers associated with the at least one of the plurality of computers.

42. (Original) The method of claim 21, wherein, after the IP configuration of the device is set, the device transmits to a workstation information corresponding to at least one of a plurality of computers communicatively coupled to the device.

43. (Original) The method of claim 42, wherein the information includes a value of an object identifier associated with one of the plurality of computers.

44. (Original) The method of claim 42, wherein the information transmitted by the device includes values of object identifiers associated with the at least one of the plurality of computers.

45. (Original) The method of claim 35, further comprising:

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transmitting from the device information corresponding to at least one of a plurality of computers communicatively coupled to the device.

46. (Original) The method of claim 35, wherein the information includes a value of an object identifier associated with one of the plurality of computers.

47. (Original) The method of claim 35, wherein the information includes values of object identifiers associated with the at least one of the plurality of computer.

48. (Original) The system of claim 1, wherein the workstation operatively tests the managed appliance to determine if it can store the IP configuration before the workstation sets the IP configuration of the managed appliance.

49. (Previously Presented) The system of claim 1 in which the workstation is configured to begin a process of pushing the IP configuration to the managed appliance without receiving a prompt from the managed appliance requesting the IP configuration.